09/882,634

	Hits	Search Text	DBs
1	19	(("20020073091") or ("6569207") or ("6745208") or ("20020169825") or ("6480865") or ("20020120616") or ("20020129060") or ("20020091835") or ("20020083093") or ("20020069223") or ("20020112078") or ("20010044811") or ("6806890") or ("20040015840") or ("20020087971") or ("20040015891") or ("20050015732") or ("20020108121") or ("6581062")).PN.	US-PGPUB; USPAT
2	1	scan$5 with database$1 with outgoing with (request$1 or quer$5 or inquir$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
3	722	scan$5 with database$1 with (request$1 or quer$5 or inquir$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
4	369	13 and @ad < "20010615"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

	Hits	Search Text	DBs
5	47	(source and target) adj schema$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
6	0	("14and15").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
7	0	14 and 15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
8	46	14 and schema$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
9	21	18 and source$1 and (target or destination)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
10	466469	((persistent adj (memor$3 or storage$1)) or non$1volatile or hard$1drive$1 or flash$1memor$3 or rom or eprom)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

	Hits	Search Text	DBs
11	8	l9 and l10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
12	1	l11 and java and xml	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
13	161	(scan$5 near2 database$1) with (request$1 or quer$5 or inquir$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
14	99	(scan$5 near2 database$1) near5 (request$1 or quer$5 or inquir$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
15	62	l14 and @ad < "20010615"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
16	24	l15 and source$1 and (target or destination)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

	Hits	Search Text	DBs
17	15	l16 and l10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
18	1	l17 and xml	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
19	3	l11 and xml	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
20	1448	(scan$5 near database$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
21	1448	(scan$5 near1 database$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
22	780	l21 and @ad < "20010615"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

	Hits	Search Text	DBs
23	7	122 and java and xml	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
24	0	122 and 15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
25	30	122 and source$1 and schema$1 and (target or destination)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
26	1	125 and java and xml	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

```
Set      Items   Description
S1      959205   DATA()(SYSTEM? OR SET OR SETS OR ELEMENT? OR OBJECT?) OR D-
             ATASET? OR DATASYSTEM? OR (SQL OR STRUCTUR?()QUER? OR QUER?()-
             LANGUAG?)()(SET OR SYSTEM? OR SETS OR ELEMENT? OR OBJECT?) OR
             DOCUMENT? OR DTD
S2     6332240   TRANSLAT? OR CONVERT? OR CONVERSION? OR MODIF? OR ADAPT? OR
              TRANSFORM?
S3      538481   NEUTRAL? OR UNCOMMIT? OR UNDEFIN? OR INDEFIN? OR INDISTINC-
             T? OR UNDISTING?
S4         504   (SOURCE OR LEGACY OR ORIGINAL?)(2N)SCHEMA? ?
S5        1973   (TARGET? OR ANOTHER? OR XML OR EXTENSIB?()(MARKUP OR MARK(-
             )UP OR DIFFERENT? OR HETERO?)()LANGUAG?)(3N)SCHEMA? ?
S6      219347   (RELAT? OR MAP OR MAPS OR MAPPED OR MAPPING)(3N)(INSTRUCTI-
             ON? OR INFORMATION? OR RULE? OR SCHEMA? ? OR GRAMMAR? OR SPEC-
             IFIC? OR PROGRAM?)
S7       19396   (QUEUE? OR QUEUING OR COMPIL? OR PERSIST?)(7N)(STORE? OR S-
             TORAG? OR BUFFER? OR CACHE? OR CACHING? OR MEMOR?)
S8     2431049   WAN OR NETWORK? OR ETHERNET? OR INTRANET? OR INTERNET? OR -
             WANS
S9     4499033   SEND? OR SENT OR TRANSMIT? OR TRANSMIS? OR RELAY? OR OUTGO-
             ING? OR FORWARD? OR TRANSFER?
S10      61623   JAVA? OR JSP OR JSPS
S11      30670   XML OR EXTENSIB?()(MARKUP OR MARK()UP)()LANGUAG?
S12    3094711   BRIDG? OR GATEWAY? OR LINK? OR CONCATENAT? OR INTERFAC? OR
             COMMUNICAT?()BETWEEN
S13       6011   (S2 OR S12) AND S1 AND S3:S6
S14       1815   (S2 OR S12) AND S11 AND S10
S15         71   S13 AND S14
S16        904   S14 AND S10:S11(5N)(SCHEMA? ? OR RULE? OR GRAMMAR? OR PROG-
             RAM? OR SPECIFIC? OR INSTRUCTION?)
S17         12   S14 AND S7
S18        387   S16 AND S8
S19         64   S18 AND S9
S20        142   S15 OR S17 OR S19
S21         65   S20 AND PY<2002
S22         62   RD (unique items)
? show files
File   2:INSPEC 1969-2005/Jun W1
         (c) 2005 Institution of Electrical Engineers
File   6:NTIS 1964-2005/Jun W1
         (c) 2005 NTIS, Intl Cpyrght All Rights Res
File   8:Ei Compendex(R) 1970-2005/Jun W1
         (c) 2005 Elsevier Eng.  Info. Inc.
File  34:SciSearch(R) Cited Ref Sci 1990-2005/Jun W2
         (c) 2005 Inst for Sci Info
File  35:Dissertation Abs Online 1861-2005/May
         (c) 2005 ProQuest Info&Learning
File  65:Inside Conferences 1993-2005/Jun W2
         (c) 2005 BLDSC all rts. reserv.
File  94:JICST-EPlus 1985-2005/Apr W4
         (c)2005 Japan Science and Tech Corp(JST)
File  99:Wilson Appl. Sci & Tech Abs 1983-2005/May
         (c) 2005 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2005/Jun 17
         (c) 2005 The Gale Group
File 144:Pascal 1973-2005/Jun W1
         (c) 2005 INIST/CNRS
File 256:TecInfoSource 82-2005/May
         (c) 2005 Info.Sources Inc
?
```

22/3,K/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

7128568 INSPEC Abstract Number: C2002-01-6130D-016
Title: Active page generation via customizing XML for data beans in e-commerce applications
Author(s): Li Chen; Rundensteiner, E.; Ally, A.; Rice Chen; Weidong Kou
Author Affiliation: Dept. of Comput. Sci., Worcester Polytech. Inst., MA, USA
Conference Title: Electronic Commerce Technologies. Second International Symposium, ISEC 2001. Proceedings (Lecture Notes in Computer Science Vol.2040) p.79-97
Editor(s): Kou, W.; Yesha, Y.; Chung Jen Tan
Publisher: Springer-Verlag, Berlin, Germany
Publication Date: 2001 Country of Publication: Germany x+186 pp.
ISBN: 3 540 41963 2 Material Identity Number: XX-2001-01775
Conference Title: Electronic Commerce Technologies
Conference Sponsor: E-Business Technol. Inst.; Univ. Hong Kong; Inst. Global Electron. Commerce; et al
Conference Date: 26-28 April 2001 Conference Location: Hong Kong, China
Language: English
Subfile: C

Title: Active page generation via customizing XML for data beans in e-commerce applications
...Abstract: architecture and their Model-Control-View (MCV) programming model. Based on observed limitations of the **JSP** (**Java** Server Page) technique commonly adopted for dynamic page generation (the view logic), we instead propose an alternative solution approach, namely a generic **schema mapping** strategy to generate **XML documents** and DTDs from enterprise data beans. First, we describe in detail the **XML** generation process for the content composition logic. We also outline the XSL processing for the **transformation** logic. The separation of these two logics results in a generic solution to the bean viewing problem. In particular, it improves the bean reusability via its **XML** representative compared to the rigid strategy of hard-coding logics into **JSP** . Our proposed **XML** mapping solution represents a potentially valuable addition to future versions of the enterprise data beans...

... Lastly, we survey the state-of-art research results and emerging standards related to this **XML** model mapping approach.
...Descriptors: **Java**
...Identifiers: **XML** customization...

... **JSP** ; ...
... **Java** Server Page technique...

...generic **schema mapping** strategy...

... **XML documents** ; ...

... **XML** generation process...

... **transformation** logic...

... **XML** representative...

... **XML** mapping solution...

... **XML** model mapping approach
2001

22/3,K/8 (Item 8 from file: 2)
DIALOG(R)File 2:INSPEC

6170834 INSPEC Abstract Number: C1999-04-6130D-003
Title: An XML **document to** JavaScript **object** converter
Author(s): Hildyard, A.
Journal: WEB Techniques vol.4, no.1 p.63-9
Publisher: Miller Freeman,
Publication Date: Jan. 1999 Country of Publication: USA
CODEN: WETEFA ISSN: 1086-556X
SICI: 1086-556X(199901)4:1L.63:DJOC;1-R
Material Identity Number: F184-1998-012
Language: English
Subfile: C

Title: An XML **document to** JavaScript **object** converter
Abstract: **XML** is fast gaining currency as the standard for Web based data **transmission** . But how will **XML** documents be viewed by all those non **XML** browsers? The author has come up with an approach that brings some of the benefits of **XML** based documents to non **XML** browsers. His workaround is a server side **conversion** of **XML** documents to **JavaScript** code; this code gets interpreted by the browser and results in a data structure roughly equivalent to the parse tree that would have been produced by an **XML** enabled browser. **Transforming XML** documents from tag stream to DOM (Document Object Model) provides a similar benefit of increased accessibility for the data consumer that moving data from databases to **XML** data sources provides for data producers. With **XML** represented at the level of the DOM, Web based consumers are freed from both the need for an **XML** parser and also from the need to have direct access to original **XML** data sources. Applets, scriptlets, ActiveX controls, and other client side components have the same **programmatic** access to browser based **XML** documents as they have to the rest of the browser's DOM. As it turns out, this workaround offers significant advantages over a pure **XML** approach: it's a lot faster, and the code to manipulate **XML** derived objects is cleaner and more concise.
...Descriptors: **Internet** ; ...

... **Java** ;
Identifiers: **XML** document...

... **JavaScript** object **conversion** ; ...

...Web based data **transmission** ; ...

...non **XML** browsers...
...server side **conversion** ; ...

... **JavaScript** code...

... **XML** enabled browser...

... **XML** data sources...

...browser based **XML** documents...

... **XML** derived objects
1999

22/3,K/14 (Item 5 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

05832125 E.I. No: EIP01246536220
Title: Prototype for wrapping and visualizing geo-referenced data in a distributed environment using XML technology
Author: Zhang, J.; Javed, M.; Shaheen, A.; Gruenwald, L.
Corporate Source: The University of Oklahoma School of Computer Science, Norman, OK, 73019, United States
Conference Title: 8th ACM Workshop on Advances in Geographic Information Systems
Conference Location: Washington, DC, United States Conference Date: 20001110-20001111
E.I. Conference No.: 58103
Source: Proceedings of the ACM Workshop on Advances in Geographic Information Systems 2000. p 27-32
Publication Year: 2000
Language: English

Title: Prototype for wrapping and visualizing geo-referenced data in a **distributed environment using** XML **technology**
...Abstract: components: GRI wrapper for distributed GRI web sites, GRI integration mediator and client side visualization **interface** . In this prototype, **XML** is used as a communication protocol between distributed web sites that provide GRI and the mediator, and between the mediator and clients. **Java** Servlets are written to **translate** data in distributed websites into **XML** documents. Data in distributed websites can be stored in a flat file, relational database, object-oriented database or object-relational database. **Java** Servlet in the mediator server retrieves data from related distributed websites in an **XML** format upon a request from the client side, parses the retrieved **XML** documents, performs merge or other operations on the retrieved **XML** documents to build a new **XML** document and **sends** it to the client side. When the client side gets the requested data from the mediator server, it will parse the returned **XML** document and draw it inside the browser window by using a **Java** applet. 25 Refs.
Descriptors: *Geographic information systems; World Wide Web; **XML** ; Visualization; User **interfaces** ; **Network** protocols; **Java programming** language; Database systems; Client server computer systems; Web browsers; Computer architecture; Integration
Identifiers: Geo referenced information; Client side visualization **interface** ; **Java** servlets

22/3,K/16 **(Item 1 from file: 34)**
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

10491158 Genuine Article#: BT97M No. References: 14
Title: Active page generation via customizing XML for data beans in e-commerce applications
Author(s): Chen L (REPRINT) ; Rundensteiner E; Ally A; Chen R; Kou WD
Corporate Source: Worcester Polytech Inst,Dept Comp Sci,Worcester//MA/01609 (REPRINT); Worcester Polytech Inst,Dept Comp Sci,Worcester//MA/01609; IBM Toronto Lab,E Commerce Dev Ctr,Toronto/ON M3C 1H7/Canada/; Univ Hong Kong,E Business Technol Inst, Dept Comp Sci & Informat Syst,Hong Kong/Hong Kong/Peoples R China/
, **2001** , V2040, P79-97
ISSN: 0302-9743 Publication date: 20010000
Publisher: SPRINGER-VERLAG BERLIN, HEIDELBERGER PLATZ 3, D-14197 BERLIN, GERMANYELECTRONIC COMMERCE TECHNOLOGIES, PROCEEDINGS
Series: LECTURE NOTES IN COMPUTER SCIENCE
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: Active page generation via customizing XML for data beans in e-commerce applications
, **2001**
...Abstract: architecture and their Model-Control-View (MCV) programming model. Based on observed limitations of the **JSP** (**Java** Server Page) technique commonly adopted for dynamic page generation (the view logic), we instead propose an alternative solution approach, namely, a generic **schema mapping** strategy to generate **XML documents** and DTDs from enterprise data beans. First, we describe in detail the **XML** generation process for the content composition logic. We also outline the XSL processing for the **transformation** logic. The separation of these two logics results in a generic solution to the bean viewing problem. In particular, it improves the bean reusability via its **XML** representative compared to the rigid strategy of hard-coding logics into **JSP** . Our proposed **XML** mapping solution represents a potentially valuable addition to future versions of the enterprise data beans...

...Lastly, we survey the state-of-art research results and emerging standards related to this **XML** model mapping approach.

22/3,K/17 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

05042921 JICST ACCESSION NUMBER: 01A1008265 FILE SEGMENT: JICST-E
A Tool for Java **API** Documentation **in** XML .
NAKAMURA AKIHITO (1)
(1) Sangyogijutsusogoken
Joho Shori Gakkai Kenkyu Hokoku, **2001** , VOL.2001,NO.90(DD-30), PAGE.17-24
, FIG.8, REF.12
JOURNAL NUMBER: Z0031BAO ISSN NO: 0919-6072
UNIVERSAL DECIMAL CLASSIFICATION: 681.3.06.004.14:800.92 681.3.02:651.2
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

A Tool for Java **API** Documentation **in** XML .
, **2001**
ABSTRACT: **Javadoc** is a tool to generate HTML-formatted **Java** API **documentation** from **Java** source files. By using **Javadoc** , programmers can easily produce API **documents** while writing the source code. Users can customize the output of **Javadoc** by using a Doclet plug-in. **XML** is a platform-, application-, and language- **neutral** , computer-comprehensive, and "single-source multi-use" **document** format. We developed a Doclet, named XMLDoclet, that generates **Java** API **documents** in **XML** . This paper describes the design and implementation of the XMLDoclet. (author abst.)
...DESCRIPTORS: system **interface** ; ...

... **documentation**
IDENTIFIERS: **Java** ;
...BROADER DESCRIPTORS: **interface** ;

22/3,K/51 (Item 31 from file: 256)
DIALOG(R)File 256:TecInfoSource

00128403 DOCUMENT TYPE: Review

PRODUCT NAMES: HTTP (835307); SOAP (842575); XML **(837709); JMS (** Java **Message Service) (781037**

TITLE: IT and the NOW economy: XML **technologies can provide more options...**
AUTHOR: Hudson, Michael Miller, Craig
SOURCE: Intelligent Enterprise, v4 n2 p24(5) Jan 30, 2001
ISSN: 1524-3621
HOMEPAGE: http://www.intelligententerprise.com

RECORD TYPE: Review
REVIEW TYPE: Product Comparison
GRADE: Product Comparison, No Rating

REVISION DATE: 20020830

...**PRODUCT NAMES:** 842575); XML (...

...837709); **JMS (** Java **Message Service**
TITLE: IT and the NOW economy: XML **technologies can provide more options.....**

Hypertext **Transfer** Protocol (HTTP), Simple Object Access Protocol (SOAP), and Sun Microsystems' **Java** Messaging Service are highlighted in a discussion of the combined use of **eXtensible Markup Language** (**XML**) and remote procedure calls (RPCs) for deployment of real-time, distribution collaboration. HTTP can be...

...transport protocol, especially because HTTP works well with security measures and does not require a **specific** platform or processor implementation. **XML** is an excellent choice for expressing complicated data types. Like HTTP, it is open and platform- **neutral** . The SOAP protocol was developed to **link XML** with RPC. SOAP is a **specification** and **XML** implementation language with a **specific schema** . SOAP bundles information contained in a RPC and provides standards for error handling. The SOAP...

...the structure of the specific RPC call between client and server is referenced as an **XML** namespace. Topics covered include the significance of SOAP; making **XML** and RPC work in tandem; MOM-based products that support message queuing, including IBM MQSeries and Microsoft MSMQ; **Java** Messaging Service (JMS) as a universal venue; and the advantages of JMS, including faster **programming** and easy support for **XML documents** as messages.

DESCRIPTORS: Client/server; Communications Protocols; Communications Standards; Distributed Processing; **Network** Software; SOAP; **XML**
1999

22/3,K/55 (Item 35 from file: 256)
DIALOG(R)File 256:TecInfoSource

00123792 DOCUMENT TYPE: Review

PRODUCT NAMES: **JMS** (Java **Message Service)** **(781037);** XML **(837709**

TITLE: XML **and** Java **deliver e-business goods**
AUTHOR: Chappell, Dave
SOURCE: Network World, v17 n19 p113(1) May 8, 2000
ISSN: 0887-7661
HOMEPAGE: http://www.nwfusion.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020830

PRODUCT NAMES: **JMS** (Java **Message Service...**

...781037); XML **(**

TITLE: XML **and** Java **deliver e-business goods**
The **Java** Message Service (JMS) **specification** is increasingly used to **transmit** **eXtensible** **Markup** **Language** (**XML**) information throughout an enterprise. Centrally maintained routing services and format **transformation** engines can be exchanged in a hub-and-spoke architecture. For instance, a trading partner can **send** an incoming **XML** -based message through a JMS server to a JMS client (and the reverse) through an **Internet** **gateway** . A special JMS client examines content and **sends** it as needed, and a PO-created event is published. An Extensive Stylesheet Language **Transformation** service subscribes to the event and **converts** it to the needed format for the specific user application. A purchase order is processed...

...a similar process to continue processing the purchase order through the supply. JMS is a **specification** from **JavaSoft** that describes how applications or application portions communicate in a 'loosely coupled, mostly asynchronous environment.' The semantics of message delivery are set forth, and application programming **interfaces** (APIs) for **linking** a message service to an application are specified. A publish and subscribe model permits application components to transport and receive **XML** documents as messages based on topic subscriptions. JMS also supports the point-to-point messaging...

DESCRIPTORS: Communications **Interfaces** ; Communications Standards; **Java** ; Middleware; **XML**
1999

22/3,K/61 (Item 41 from file: 256)
DIALOG(R)File 256:TecInfoSource

00115117 DOCUMENT TYPE: Review

PRODUCT NAMES: XML **(837709)**; Java **(573744**

TITLE: XML , Java : **Perfect fit?**
AUTHOR: Gonsalves, Antone
SOURCE: PC Week, v16 n11 p10(1) Mar 15, 1999
ISSN: 0740-1604

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 19990830

PRODUCT NAMES: XML **(...**

...837709); Java **(**

TITLE: XML , Java : **Perfect fit?**
A merging of the **eXtensible Markup Language** (**XML**) and Sun Microsystems' **Java** are under way by Sun, as the company develops extensions to **Java** that would result in a standard method for gaining access to data objects included in **XML** documents to **Java** applications. The extensions would act to provide a standard technique for mapping Enterprise **JavaBeans** to **XML** -carried data, and to ease and make more efficient data sharing among applications. **XML** is the data **transfer** and data exchange format of the **Internet** , says a manager of architecture and standards at Conexant Systems. Conexant is a builder of communications semiconductors and has developed project collaboration software based on **XML** and **Java** for development teams. The software runs on Bluestone's **XML** Server and the Sapphire/Web application server. Many Web application server vendors, including IBM, BEA Systems, Bluestone, and Sun presently offer **XML** support in EJBs; however, the tools are proprietary, and a standard **Java** application **programming interface** (API) for gaining access to **XML** data objects would streamline the process of using the two technologies concomitantly. The most recent version of Sun's NetDynamics server will offer **XML** support, and Iona Technologies' Common Object Request Broker Architecture (CORBA)-based HomeBase is an EJB server that will eventually have **XML** support.

DESCRIPTORS: Electronic Publishing; **Interfaces** ; **Java** ; **Programming Languages** ; Standards; **XML**
1999

22/3,K/62 (Item 42 from file: 256)
DIALOG(R)File 256:TecInfoSource

00114550 DOCUMENT TYPE: Review

PRODUCT NAMES: XML **(837709); Java (573744); XMLways (741647);** XML **Server (735337); eXcelon (730076**

TITLE: New Development Platforms Bring XML **into the Spotlight**
AUTHOR: McKendrick, Joseph
SOURCE: ent, v4 n3 p17(1) Feb 3, 1999
ISSN: 1085-2395
HOMEPAGE: http://www.entmag.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20040130

PRODUCT NAMES: XML **(...**

...837709); Java **(...**
...741647); XML **Server**

TITLE: New Development Platforms Bring XML **into the Spotlight**

Sun Microsystems' **Java** , Netaway's XMLways, Bluestone Software's **XML** Server, and Object Design's eXcelon are highlighted in a discussion of new development platforms based on **eXtensible Markup Language** (**XML**). **XML** is expected to create a $1 billion market within a year, especially a new **XML** application server that could help ease growth of **XML** beyond the Web. With **XML** , users have a universal way to describe and format messages by putting information in context...

...HTML tags. Users can then access and exchange data from different applications. Data can be **sent** using Hypertext **Transfer** Protocol (HTTP), without any alterations to installed **networks** and over firewalls. A few vendors are merging **XML** with **Java** to create cross-platform, Web-transportable applications that access **XML** -enabled data from many data sources. XMLways, formerly SQL-Surfer, includes application construction tools written in C++ for Windows NT and UNIX environments. **XML** Server allows distribution and deployment of **XML** -enabled applications, and supports Enterprise **JavaBeans** . It includes an **XML** content **translator** , generator, and transport scripting vehicle. eXcelon is an **XML** application server that allows construction of enterprise Web applications using **XML** and is suitable for applications requiring access to multiple, different data sources; such applications include...

DESCRIPTORS: Electronic Publishing; **Interfaces** ; **Java** ; Middleware; **Program** Development; Software Marketing; **XML**
1999